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FILE 'HOME' ENTERED AT 10:31:30 ON 06 AUG 2008

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FILE 'REGISTRY' ENTERED AT 10:31:45 ON 06 AUG 2008

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DICTIONARY FILE UPDATES: 5 AUG 2008 HIGHEST RN 1038926-51-0

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

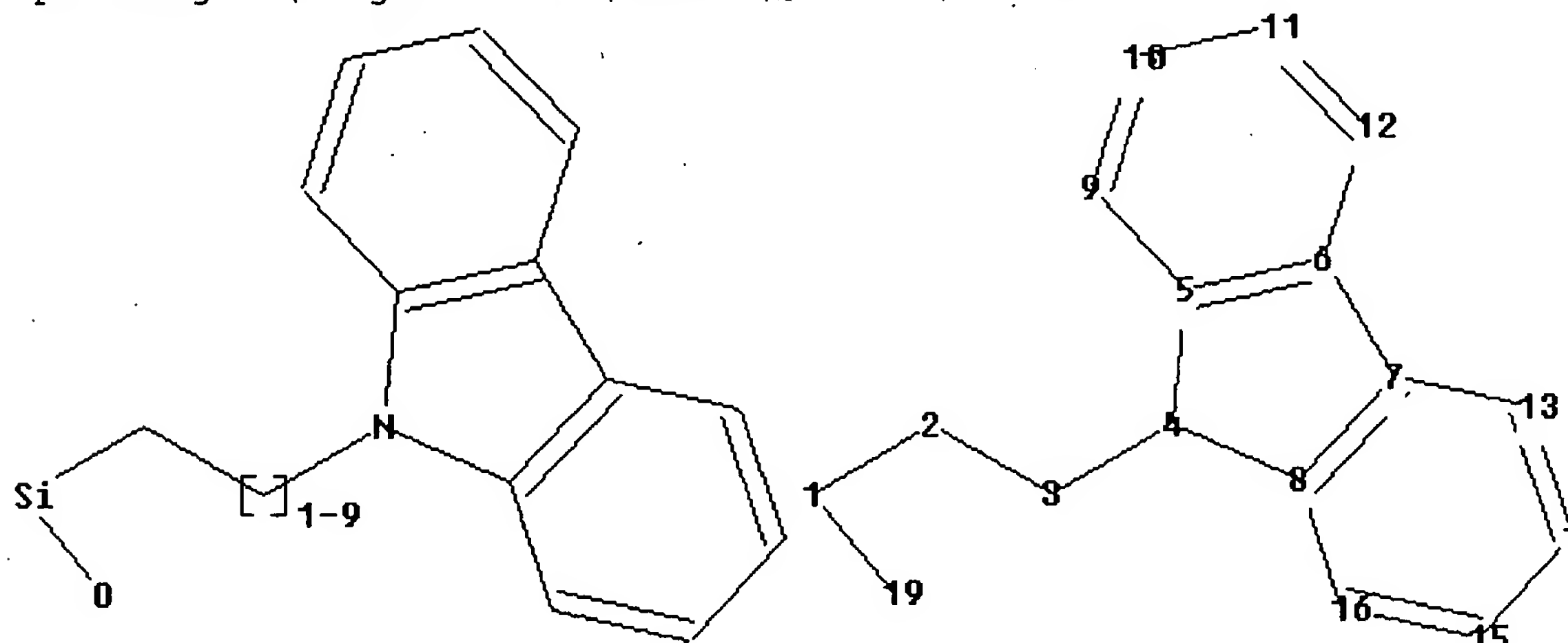
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\Xu-048b.str



chain nodes :

2 3

ring nodes :

4 5 6 7 8 9 10 11 12 13 14 15 16

ring/chain nodes :

4 5 6 7 8 9 10 11 12 13 14 15 16  
 ring/chain nodes :  
 1 19  
 chain bonds :  
 1-2 2-3 3-4  
 ring/chain bonds :  
 1-19  
 ring bonds :  
 4-5 4-8 5-6 5-9 6-7 6-12 7-8 7-13 8-16 9-10 10-11 11-12 13-14 14-15  
 15-16  
 exact/norm bonds :  
 1-19 3-4 4-5 4-8 6-7  
 exact bonds :  
 1-2 2-3  
 normalized bonds :  
 5-6 5-9 6-12 7-8 7-13 8-16 9-10 10-11 11-12 13-14 14-15 15-16

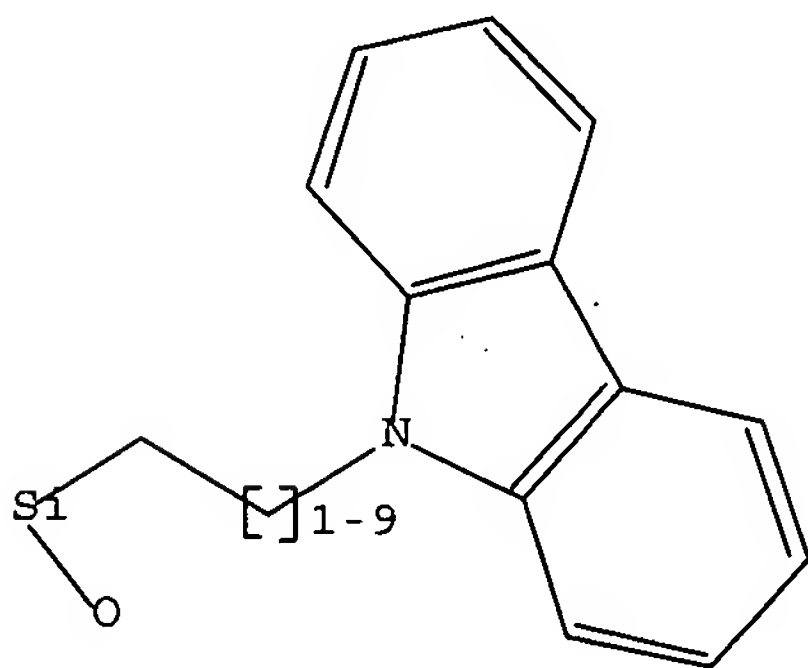
Match level :  
 1:CLASS 2:CLASS 3:CLASS 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 19:CLASS

L3 STRUCTURE UPLOADED

=> d L3

L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> s L3 sss full

FULL SEARCH INITIATED 10:33:35 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 521 TO ITERATE

100.0% PROCESSED 521 ITERATIONS

SEARCH TIME: 00.00.01

57 ANSWERS

L4 57 SEA SSS FUL L3

=> fil CAPLUS

FILE 'CAPLUS' ENTERED AT 10:33:56 ON 06 AUG 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 6 Aug 2008 VOL 149 ISS 6  
FILE LAST UPDATED: 5 Aug 2008 (20080805/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s L4

L5 66 L4

=> s Electrolumin##### or luminesc##### or emitt### or emiss###

303 ELECTROLUMIN#####

241724 LUMINESC#####

239354 EMITT###

559984 EMISS###

L6 885594 ELECTROLUMIN##### OR LUMINESC##### OR EMITT### OR EMISS###

=> s L5 and L6

L7 9 L5 AND L6

=> d L7 1-9 bib

L7 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2007:513058 CAPLUS Full-text

DN 147:18791

TI Solid state photoluminescence property of a novel POSS-based material having carbazole

AU Imae, Ichiro; Kawakami, Yusuke; Ooyama, Yousuke; Harima, Yutaka

CS Department of Applied Chemistry, Faculty of Engineering, Hiroshima University, 1-4-1 Kagamiyama, Higashi-Hiroshima, Hiroshima, 739-8527, Japan

SO Macromolecular Symposia (2007), 249/250(Advanced Polymers for Emerging Technologies), 50-55

CODEN: MSYMEC; ISSN: 1022-1360

PB Wiley-VCH Verlag GmbH & Co. KGaA

DT Journal

LA English

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:1202867 CAPLUS Full-text  
 DN 145:189227  
 TI Development of a novel POSS-based material having carbazole moiety  
 AU Imae, Ichiro; Kawakami, Yusuke  
 CS School of Materials Science, Japan Advanced Institute of Science and  
 Technology [JAIST], 1-1 Asahidai, Nomi, Ishikawa, 923-1292, Japan  
 SO Proceedings of SPIE-The International Society for Optical Engineering  
 (2005), 5937(Organic Light-Emitting Materials and Devices IX),  
 59371N/1-59371N/8  
 CODEN: PSISDG; ISSN: 0277-786X  
 PB SPIE-The International Society for Optical Engineering  
 DT Journal  
 LA English  
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:1169510 CAPLUS Full-text  
 DN 144:88975  
 TI Unique photoluminescence property of a novel perfectly  
 carbazole-substituted POSS  
 AU Imae, Ichiro; Kawakami, Yusuke  
 CS Japan Advanced Institute of Science and Technology, School of Materials  
 Science, 1-1 Asahidai, Nomi, Ishikawa, Japan  
 SO Journal of Materials Chemistry (2005), 15(43), 4581-4583  
 CODEN: JMACEP; ISSN: 0959-9428  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:323417 CAPLUS Full-text  
 DN 142:400273  
 TI Organic electroluminescent devices using ladder polymers  
 IN Watanabe, Saisuke  
 PA Fuji Photo Film Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 21 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005100710	A	20050414	JP 2003-330595	20030922
PRAI	JP 2003-330595		20030922		

L7 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:182736 CAPLUS Full-text  
 DN 142:287908  
 TI Carbazolyl-functional cyclosiloxane, silicone composition, and organic  
 light-emitting diode  
 IN Xu, Shihe  
 PA Dow Corning Corporation, USA  
 SO PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2005019307	A1	20050303	WO 2004-US20661	20040628
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1660562	A1	20060531	EP 2004-777179	20040628
	R: AT, BE, CH, DE, DK, ES, FR; GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	CN 1839172	A	20060927	CN 2004-80023874	20040628
	JP 2007502813	T	20070215	JP 2006-523836	20040628
	US 20060232201	A1	20061019	US 2006-566103	20060126
PRAI	US 2003-496461P	P	20030820		
	WO 2004-US20661	W	20040628		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2000:601334 CAPLUS Full-text  
DN 133:315364  
TI Two-layer light emitting diodes prepared by the sol-gel route  
AU De Morais, Tony Dantas; Chaput, Frederic; Boilot, Jean-Pierre; Lahlil, Khalid; Darracq, Bruno; Levy, Yves  
CS Groupe de chimie du solide, Laboratoire de physique de la matiere condensee, UMR CNRS 7643, Ecole polytechnique, Palaiseau, 91128, Fr.  
SO Comptes Rendus de l'Academie des Sciences, Serie IV: Physique, Astrophysique (2000), 1(4), 479-491  
CODEN: CRACFI  
PB Editions Scientifiques et Medicales Elsevier  
DT Journal  
LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1999:237538 CAPLUS Full-text  
DN 130:344496  
TI Orange and green electroluminescence with hybrid light-emitting diodes  
AU De Morais, Tony Dantas; Chaput, Frederic; Lahlil, Khalid; Boilot, Jean-Pierre  
CS Groupe de Chimie du Solide, Laboratoire de Physique de la Matiere Condensee, UMR CNRS 7643, Ecole Polytechnique, Palaiseau, 91128, Fr.  
SO Proceedings of SPIE-The International Society for Optical Engineering (1998), 3476(Organic Light-Emitting Materials and Devices II), 338-348  
CODEN: PSISDG; ISSN: 0277-786X  
PB SPIE-The International Society for Optical Engineering  
DT Journal  
LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1999:122588 CAPLUS Full-text  
 DN 130:229731  
 TI Hybrid organic-inorganic light-emitting diodes  
 AU Dantas de Moraes, Tony; Chaput, Frederic; Lahlil, Khalid; Boilot, Jean-Pierre  
 CS Groupe Chimie Solide, Laboratoire Physique Matiere Condensee, Ecole Polytechnique, Palaiseau, F-91128, Fr.  
 SO Advanced Materials (Weinheim, Germany) (1999), 11(2), 107-112  
 CODEN: ADVMEW; ISSN: 0935-9648  
 PB Wiley-VCH Verlag GmbH  
 DT Journal  
 LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1995:283807 CAPLUS Full-text  
 DN 122:42231  
 OREF 122:7967a,7970a  
 TI Excimer Emission and Wavelength Control from Light-Emitting Diodes Based on Side-Chain Polymers  
 AU Bisberg, J.; Cumming, W. J.; Gaudiana, R. A.; Hutchinson, K. D.; Ingwall, R. T.; Kolb, E. S.; Mehta, P. G.; Minns, R. A.; Petersen, C. P.  
 CS Materials Research Laboratory, Polaroid Corporation, Cambridge, MA, 02139, USA  
 SO Macromolecules (1995), 28(1), 386-9  
 CODEN: MAMOBX; ISSN: 0024-9297  
 PB American Chemical Society  
 DT Journal  
 LA English

=>  
 => d L7 6-7 abs

L7 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
 AB Green-emitting org.-inorg. hybrid light-emitting diodes (HLED) were formed of two hybrid thin layers, exhibiting different functionalities, which are sandwiched between indium-tin oxide (ITO) and metallic electrodes. The layers were prepared from silane precursors modified with hole transporting units and light-emitting naphthalimide moieties by the sol-gel technique. The hole transporting sol-gel layers exhibit about the same charge mobility as organic polymers having equivalent active units. The maximum external quantum efficiency of the best diode using LiF/Al cathode was about 1% and the luminance reaches 4000 cd.m<sup>-2</sup>.

L7 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2008 ACS on STN  
 AB The authors have elaborated for the 1st time org.-inorg. hybrid light-emitting diodes (HLED). These devices emitting in the orange and in the green are formed of one, two or three hybrid thin layers exhibiting different functionalities and sandwiched between In-Sn oxide (ITO) and metallic electrodes. These layers were prepared by the sol-gel technique from silane precursors modified with hole or electron transporting units and with light-emitting DCM or naphthalimide moieties.



=> s L5 NOT L7

L9 57 L5 NOT L7

=> d L9 45-57 bib

L9 ANSWER 45 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1996:735097 CAPLUS Full-text

DN 126:32049

OREF 126:6515a,6518a

TI Synthesis and surface potential decay behavior of copolysilanes containing carbazolyl-siloxane side chains

AU Matsukawa, Kimihiro; Tanaka, Katsumi; Fujita, Iwao; Inoue, Hiroshi

CS Osaka Municipal Technical Res. Inst., Joto, 536, Japan

SO Kobunshi Ronbunshu (1996), 53(11), 700-709

CODEN: KBRBA3; ISSN: 0386-2186

PB Kobunshi Gakkai

DT Journal

LA Japanese

L9 ANSWER 46 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1996:696476 CAPLUS Full-text

DN 126:39593

OREF 126:7745a,7748a

TI Photorefractive polymers for digital holographic optical storage

AU Burland, D. M.; Devoe, R. G.; Geletneky, C.; Jia, Y.; Lee, V. Y.;  
Lundquist, P. M.; Moylan, C. R.; Poga, C.; Twieg, R. J.; Wortmann, R.

CS IBM Research Division, Almaden Research Center, San Jose, CA, 95120, USA

SO Pure and Applied Optics (1996), 5(5), 513-520

CODEN: PAOAE3; ISSN: 0963-9659

PB Institute of Physics Publishing

DT Journal

LA English

L9 ANSWER 47 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1996:512150 CAPLUS Full-text

DN 125:208243

OREF 125:38721a,38724a

TI Polysiloxane-based photorefractive polymers for digital holographic data storage

AU Poga, C.; Lundquist, P. M.; Lee, V.; Shelby, R. M.; Twieg, R. J.; Burland, D. M.

CS IBM Res. Div., IBM Almaden Res. Cent., San Jose, CA, 95120-6099, USA

SO Applied Physics Letters (1996), 69(8), 1047-1049

CODEN: APPLAB; ISSN: 0003-6951

PB American Institute of Physics

DT Journal

LA English

L9 ANSWER 48 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1995:602424 CAPLUS Full-text

DN 123:170508

OREF 123:30468h,30469a

TI Electroluminescent polymers containing pendant electroluminescent side chains, and electroluminescent devices containing them

IN Cumming, William J.; Gaudiana, Russell A.; Ingwall, Richard T.; Kolb, Eric S.; Mehta, Parag G.; Minns, Richard A.

PA Polaroid Corp., USA

SO U.S., 13 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 5414069	A	19950509	US 1993-12038	19930201
PRAI	US 1993-12038		19930201		

L9 ANSWER 49 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1995:572222 CAPLUS Full-text

DN 123:97702

OREF 123:17175a,17178a

TI Issues relating to the stability of carbazole modified polysiloxanes (CMPs) for application in electrochromic displays

AU Bartlett, I. D.; Hepburn, A. R.

CS Electronic Mater. Cent., Univ. Coll. Swansea, Swansea, SA2 8PP, UK

SO Synthetic Metals (1995), 70(1-3), 1241-2

CODEN: SYMEDZ; ISSN: 0379-6779

PB Elsevier

DT Journal

LA English

L9 ANSWER 50 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1995:446541 CAPLUS Full-text

DN 122:188540

OREF 122:34553a,34556a

TI Electric conductive polymeric materials and their manufacture

IN Fukushima, Motoo; Mori, Shigeru; Tabei, Eiichi

PA Shinetsu Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 06256520	A	19940913	JP 1993-70934	19930305
	JP 3028698	B2	20000404		
PRAI	JP 1993-70934		19930305		

L9 ANSWER 51 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1995:7596 CAPLUS Full-text

DN 122:11414

OREF 122:2479a,2482a

TI Electrochemistry of carbazolyalkyl substituted polysiloxanes

AU Maud, J. M.; Vlahov, A.; Gray, N. A.

CS Dep. Chem., Univ. Coll. Swansea, Swansea, SA2 8PP, UK

SO Journal of Materials Science: Materials in Electronics (1994), 5(2), 101-5

CODEN: JSMEEV; ISSN: 0957-4522

DT Journal

LA English

L9 ANSWER 52 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1994:590878 CAPLUS Full-text

DN 121:190878

OREF 121:34443a

TI Photorefractive polymers containing discrete photoconductive and electrooptical units



IN Sansone, Michael; Goldberg, Harris A.; McGinnis, James L.; Blatter,  
Karsten; Shu, Ching F.; East, Anthony  
PA Hoechst Celanese Corp., USA  
SO U.S., 10 pp.  
CODEN: USXXAM  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 5326661	A	19940705	US 1991-792546	19911113
PRAI	US 1991-792546		19911113		

L9 ANSWER 53 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1994:420742 CAPLUS Full-text

DN 121:20742

OREF 121:3731a,3734a

TI Carbazole modified polysiloxanes: role of counter-ions in the dynamic  
properties of electrochemical displays

AU Hepburn, A. R.; Goldie, D. M.

CS Dep. Mater. Eng., Univ. Coll., Swansea, SA2 8PP, UK

SO Journal of Materials Science: Materials in Electronics (1994), 5(2),  
94-100

CODEN: JSMEEV; ISSN: 0957-4522

DT Journal

LA English

L9 ANSWER 54 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1993:581876 CAPLUS Full-text

DN 119:181876

OREF 119:32527a,32530a

TI Carbazolylalkyl-substituted cyclosiloxanes: synthesis and properties

AU Maud, J. M.; Vlahov, A.; Goldie, D. M.; Hepburn, A. R.; Marshall, J. M.

CS Dep. Chem., Univ. Coll. Swansea, Swansea, SA2 8PP, UK

SO Synthetic Metals (1993), 55(2-3), 890-5

CODEN: SYMEDZ; ISSN: 0379-6779

DT Journal

LA English

L9 ANSWER 55 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1991:515207 CAPLUS Full-text

DN 115:115207

OREF 115:19775a,19778a

TI Electroactive poly(3,6-carbazolediyl) with lateral aminoalkyldisiloxane  
groups

AU Helary, G.; Chevrot, C.; Sauvet, G.; Siove, A.

CS Lab. Rech. Macromol., Univ. Paris-Nord, Villetaneuse, Fr.

SO Polymer Bulletin (Berlin, Germany) (1991), 26(2), 131-8

CODEN: POBUDR; ISSN: 0170-0839

DT Journal

LA English

L9 ANSWER 56 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1990:583069 CAPLUS Full-text

DN 113:183069

OREF 113:30801a,30804a

TI Carbazole-containing curable compositions for photoconductors

IN Hashimoto, Kazumasa; Hattori, Jun; Hattori, Jun; Yonezawa, Kazuya

PA Kanegafuchi Chemical Industry Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 02127432	A	19900516	JP 1988-282206	19881107
PRAI	JP 1988-282206		19881107		

L9 ANSWER 57 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1985:195090 CAPLUS Full-text

DN 102:195090

OREF 102:30449a,30452a

TI Development methods and a developer for these methods

IN Suematsu, Koshi; Imai, Eiichi

PA Canon K. K. , Japan

SO Ger.. Offen., 67 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 3413833	A1	19841018	DE 1984-3413833	19840412
	DE 3413833	C2	19910529		
	JP 59189352	A	19841026	JP 1983-63935	19830412
	JP 01059577	B	19891218		
	JP 59222849	A	19841214	JP 1983-96512	19830531
	JP 02007061	B	19900215		
	JP 01059578	B	19891218	JP 1983-96511	19830531
	JP 60003679	A	19850110	JP 1983-112411	19830622
	JP 02020105	B	19900508		
	JP 60004953	A	19850111	JP 1983-113965	19830623
	JP 02020106	B	19900508		
	US 4680245	A	19870714	US 1986-929495	19861112
PRAI	JP 1983-63935	A	19830412		
	JP 1983-96511	A	19830531		
	JP 1983-96512	A	19830531		
	JP 1983-112411	A	19830622		
	JP 1983-113965	A	19830623		
	US 1984-596090	A1	19840402		

=> d L9 40-45 .bib

L9 ANSWER 40 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1998:577956 CAPLUS Full-text

DN 129:252410

OREF 129:51265a,51268a

TI Correlation between photoconductivity and holographic response time in a photorefractive guest host polymer

AU Baiuml, G.; Schlöter, S.; Hofmann, U.; Haarer, D.

CS Physikalisches Institut and Bayreuther Institut für Makromolekulforschung (BIMF), Universität Bayreuth, Bayreuth, 95440, Germany

SO Optics Communications (1998), 154(1,2,3), 75-78

CODEN: OPCOB8; ISSN: 0030-4018

PB Elsevier Science B.V.

DT Journal

LA English

RE.CNT 32      THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9    ANSWER 41 OF 57    CAPLUS    COPYRIGHT 2008 ACS on STN  
AN    1998:336742    CAPLUS Full-text  
DN    129:88502  
OREF 129:18099a  
TI    Physical characterization and electrical transport in end-group  
      functionalized self-assembled monolayers  
AU    Collet, J.; Vuillaume, D.; Bonnier, M.; Bouloussa, O.; Rondelez, F.; Gay,  
      J. M.; Kham, K.; Chevrot, C.  
CS    ISEN Dept. of Physics, IEMN-CNRS, Villeneuve d'Ascq, F-59652, Fr.  
SO    Materials Research Society Symposium Proceedings (1998), 488(Electrical,  
      Optical, and Magnetic Properties of Organic Solid-State Materials IV),  
      847-852  
      CODEN: MRSPDH; ISSN: 0272-9172  
PB    Materials Research Society  
DT    Journal  
LA    English

RE.CNT 9      THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9    ANSWER 42 OF 57    CAPLUS    COPYRIGHT 2008 ACS on STN  
AN    1997:703463    CAPLUS Full-text  
DN    128:28339  
OREF 128:5453a,5456a  
TI    Bifunctional dimer and polymers for photorefractive applications  
AU    Mager, L.; Mery, S.  
CS    Groupe d'Optique Non Lineaire et d'Optoelectronique, Institut de Physique  
      et de Chimie des Materiaux de Strasbourg, STRASBOURG, 67037, Fr.  
SO    Proceedings of SPIE-The International Society for Optical Engineering  
      (1997), 3144(Xerographic Photoreceptors and Organic Photorefractive  
      Materials II), 166-173  
      CODEN: PSISDG; ISSN: 0277-786X  
PB    SPIE-The International Society for Optical Engineering  
DT    Journal  
LA    English

RE.CNT 22      THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9    ANSWER 43 OF 57    CAPLUS    COPYRIGHT 2008 ACS on STN  
AN    1997:703445    CAPLUS Full-text  
DN    128:8701  
OREF 128:1649a  
TI    New photorefractive polymers for real-time holography  
AU    Schloter, S.; Hofmann, U.; Hagen, R.; Hohle, C.; Ewert, K.; Strohrriegl,  
      P.; Eisenbach, C.-D.; Schmidt, H.-W.; Haarer, D.  
CS    Lehrstuhl Experimentalphysik IV, Universitaet Bayreuth, Bayreuth, 95440,  
      Germany  
SO    Proceedings of SPIE-The International Society for Optical Engineering  
      (1997), 3144(Xerographic Photoreceptors and Organic Photorefractive  
      Materials II), 142-153  
      CODEN: PSISDG; ISSN: 0277-786X  
PB    SPIE-The International Society for Optical Engineering  
DT    Journal  
LA    English

RE.CNT 25      THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9    ANSWER 44 OF 57    CAPLUS    COPYRIGHT 2008 ACS on STN

AN 1997:412609 CAPLUS Full-text  
DN 127:66417  
OREF 127:12701a,12704a  
TI Temperature dependence of excitation energy transport in carbazole  
modified polysiloxane  
AU Raju, B. Bangar; Mollay, Bernhard  
CS Institute fuer Physikalische Chemie, Vienna, A - 1090, Austria  
SO Journal of Fluorescence (1997), 7(1, Suppl.), 123S-126S  
CODEN: JOFLEN; ISSN: 1053-0509  
PB Plenum  
DT Journal  
LA English  
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 45 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1996:735097 CAPLUS Full-text  
DN 126:32049  
OREF 126:6515a,6518a  
TI Synthesis and surface potential decay behavior of copolysilanes containing  
carbazolyl-siloxane side chains  
AU Matsukawa, Kimihiro; Tanaka, Katsumi; Fujita, Iwao; Inoue, Hiroshi  
CS Osaka Municipal Technical Res. Inst., Joto, 536, Japan  
SO Kobunshi Ronbunshu (1996), 53(11), 700-709  
CODEN: KBRBA3; ISSN: 0386-2186  
PB Kobunshi Gakkai  
DT Journal  
LA Japanese

=> d L9 30-39 bib

L9 ANSWER 30 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2000:149274 CAPLUS Full-text  
DN 132:230272  
TI High anisotropic conductivity in organic insulator/semiconductor monolayer  
heterostructure  
AU Collet, J.; Lenfant, S.; Vuillaume, D.; Bouloussa, O.; Rondelez, F.; Gay,  
J. M.; Kham, K.; Chevrot, C.  
CS Department of Physics (isen), BP 69, Institut d'Electronique et de  
Micro-Electronique du Nord, CNRS, Villeneuve d'Ascq, F-59652, Fr.  
SO Applied Physics Letters (2000), 76(10), 1339-1341  
CODEN: APPLAB; ISSN: 0003-6951  
PB American Institute of Physics  
DT Journal  
LA English  
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 31 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2000:36400 CAPLUS Full-text  
DN 133:105075  
TI Bifunctional cyclosiloxanes with photorefractive properties  
AU Hohle, Christoph; Stroehriegl, Peter; Hofmann, Uwe; Haarer, Dietrich  
CS Bayreuther Institut fur Makromolekulforschung (BIMF), Univ. Bayreuth,  
Makromol. Chem. I, Bayreuth, Germany  
SO Proceedings of SPIE-The International Society for Optical Engineering  
(1999), 3796(Organic Nonlinear Optical Materials), 353-359  
CODEN: PSISDG; ISSN: 0277-786X  
PB SPIE-The International Society for Optical Engineering

DT Journal  
LA English  
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 32 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1999:771294 CAPLUS Full-text  
DN 132:144338  
TI Influence of the dispersivity of charge transport on the holographic  
properties of organic photorefractive materials  
AU Jakob, T.; Schlöter, S.; Hofmann, U.; Gräsruck, M.; Schreiber, A.; Haarer,  
D.  
CS Physikalisches Institut and Bayreuther Institut für Makromolekülforschung  
(BIMF), Universität Bayreuth, Bayreuth, 95440, Germany  
SO Journal of Chemical Physics (1999), 111(23), 10633-10639  
CODEN: JCPSA6; ISSN: 0021-9606  
PB American Institute of Physics  
DT Journal  
LA English  
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 33 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1999:438659 CAPLUS Full-text  
DN 131:191463  
TI Zwitterionic molecules as doping chromophores for efficient  
photorefractive polymers  
AU Fort, A.; Mager, L.; Müller, J.; Combéllas, C.; Mathey, G.; Thiebault, A.  
CS IPCMS, Groupe d'Optique Non Linéaire et d'Optoelectronique, Strasbourg,  
67037, Fr.  
SO Optical Materials (Amsterdam) (1999), 12(2/3), 339-343  
CODEN: OMATET; ISSN: 0925-3467  
PB Elsevier Science B.V.  
DT Journal  
LA English  
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 34 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1999:413249 CAPLUS Full-text  
DN 131:177014  
TI Speed enhancement of photorefractive polymers by means of light-induced  
filling of trapping states  
AU Wolff, Janpeter; Schlöter, Stefan; Hofmann, Uwe; Haarer, Dietrich; Zilker,  
Stephan J.  
CS Physikalisches Institut und Bayreuther Institut für Makromolekülforschung,  
Universität Bayreuth, Bayreuth, D-95440, Germany  
SO Journal of the Optical Society of America B: Optical Physics (1999),  
16(7), 1080-1086  
CODEN: JOBPDE; ISSN: 0740-3224  
PB Optical Society of America  
DT Journal  
LA English  
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 35 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1999:133800 CAPLUS Full-text  
DN 130:288516  
TI Birefringence measurements in low-T<sub>g</sub> photorefractive materials by means of

electro-optic relaxation spectroscopy

AU Hoechstetter, K.; Schlöter, S.; Hofmann, U.; Haarer, D.  
CS Physikalisches Institut and Bayreuther Institut für Makromolekülforschung  
(BIMF), Universität Bayreuth, Bayreuth, 95440, Germany  
SO Journal of Chemical Physics (1999), 110(10), 4944-4951  
CODEN: JCPSA6; ISSN: 0021-9606  
PB American Institute of Physics  
DT Journal  
LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 36 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1999:37498 CAPLUS Full-text  
DN 130:188964  
TI Low-Tg photorefractive materials based on bifunctional molecules  
AU Mager, Loic; Mery, Stephane  
CS Groupe d'Optique Non Lineaire et d'Optoelectronique Institute t de  
Physique et de Chimie des Matériaux de Strasbourg, Strasbourg, 67037, Fr.  
SO Molecular Crystals and Liquid Crystals Science and Technology, Section A:  
Molecular Crystals and Liquid Crystals (1998), 322, 21-28  
CODEN: MCLCE9; ISSN: 1058-725X  
PB Gordon & Breach Science Publishers  
DT Journal  
LA English

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 37 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1998:811367 CAPLUS Full-text  
DN 130:174794  
TI New results on low TG photorefractive materials  
AU Fort, A.; Mager, L.; Melzer, C.; Müller, J.; Cregut, O.; Mery, S.; Nicoud,  
J.-F.; Combellas, C.; Mathey, G.; Thiebault, A.  
CS Groupe d'Optique Non Lineaire et d'Optoelectronique, Institut de Physique  
et Chimie des Matériaux de Strasbourg, Strasbourg, 67037, Fr.  
SO Proceedings of SPIE-The International Society for Optical Engineering  
(1998), 3471(Xerographic Photoreceptors and Organic Photorefractive  
Materials IV), 88-99  
CODEN: PSISDG; ISSN: 0277-786X  
PB SPIE-The International Society for Optical Engineering  
DT Journal  
LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 38 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1998:778339 CAPLUS Full-text  
DN 130:145734  
TI Synthesis and structural characterization of multi-functional  
polysiloxanes for photorefractive effect  
AU Li, Jun; Li, Zhen; Zhan, Caimao; Qin, Jingui; Kippelen, B.; Peyghambarian,  
N.; Marder, S. R.  
CS Department of Chemistry, Wuhan University, Wuhan, 430072, Peop. Rep. China  
SO Proceedings of SPIE-The International Society for Optical Engineering  
(1998), 3554(Photorefractive Materials: Phenomena and Related Applications  
II), 229-231  
CODEN: PSISDG; ISSN: 0277-786X  
PB SPIE-The International Society for Optical Engineering  
DT Journal



LA English

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
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L9 ANSWER 39 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1998:721180 CAPLUS Full-text

DN 130:58744

TI Determination of the density of recombination centers in a photorefractive guest-host polymer

AU Bauml, G.; Schloter, S.; Hofmann, U.; Haarer, D.

CS Physikalisches Inst. und Bayreuther Inst. fur Makromolekulforschung (BIMF), Univ Bayreuth, Bayreuth, 95440, Germany

SO Synthetic Metals (1998), 97(2), 165-169

CODEN: SYMEDZ; ISSN: 0379-6779

PB Elsevier Science S.A.

DT Journal

LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d L9 20-29 bib

L9 ANSWER 20 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2002:49368 CAPLUS Full-text

DN 136:279943

TI An evaluation of Meyer-Neldel behavior for hopping mobilities in amorphous polymeric materials

AU Goldie, David M.

CS Department of Electronic Engineering and Physics, University of Dundee, Dundee, DD1 4HN, UK

SO Diffusion and Defect Data--Solid State Data, Pt. A: Defect and Diffusion Forum (2001), 192-193(Meyer-Neldel Rule), 27-36

CODEN: DDAFE7; ISSN: 1012-0386

PB Scitec Publications

DT Journal

LA English

L9 ANSWER 21 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2001:629046 CAPLUS Full-text

DN 135:336831

TI Polymeric photorefractive composite for holographic applications

AU Joo, W.-J.; Kim, N.-J.; Chun, H.; Moon, I. K.; Kim, N.

CS Center for Organic Photorefractive Materials, Department of Chemistry, Hanyang University, Seoul, 133-791, S. Korea

SO Polymer (2001), 42(24), 9863-9866

CODEN: POLMAG; ISSN: 0032-3861

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 22 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2001:425196 CAPLUS Full-text

DN 136:103330

TI Nonlinear optics and photorefractivity of polymer composites

AU Kim, Nakjoong; Chun, Hyunae; Jahng, Woong Sang; Song, Sangyup; Shin, Dong-Ho; Joo, Minsoo

CS Department of Chemistry, Hanyang University, Seoul, 133-791, S. Korea

SO MCLC S&T, Section B: Nonlinear Optics (2000), 25(1-4), 67-75

CODEN: MCLOEB; ISSN: 1058-7268

PB Gordon & Breach Science Publishers  
DT Journal  
LA English

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 23 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2001:297317 CAPLUS Full-text  
DN 135:99735  
TI Influence of the charge transport characteristics on the holographic  
response of organic photorefractive materials  
AU Zilker, Stephan J.; Hofmann, Uwe; Leopold, Andre; Grasruck, Michael;  
Hohle, Christoph; Strohmriegel, Peter  
CS Physikalisches Institut, University of Bayreuth, Bayreuth, D-95440,  
Germany  
SO Molecular Crystals and Liquid Crystals Science and Technology, Section A:  
Molecular Crystals and Liquid Crystals (2001), 358, 15-22  
CODEN: MCLCE9; ISSN: 1058-725X  
PB Gordon & Breach Science Publishers  
DT Journal  
LA English

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 24 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2001:181776 CAPLUS Full-text  
DN 134:367244  
TI Development of Polymeric Photosensitizers for Photoinitiated Cationic  
Polymerization  
AU Hua, Yujing; Crivello, James V.  
CS New York State Center for Polymer Synthesis Department of Chemistry,  
Rensselaer Polytechnic Institute, Troy, NY, 12180, USA  
SO Macromolecules (2001), 34(8), 2488-2494  
CODEN: MAMOBX; ISSN: 0024-9297  
PB American Chemical Society  
DT Journal  
LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 25 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2000:764430 CAPLUS Full-text  
DN 134:92995  
TI Chromophores for polymeric photorefractive composites  
AU Song, Sangyup; Chun, Hyunae; Joo, Minsoo; Kim, Nakjoong  
CS Center for Organic Photorefractive Materials, KIST, Seoul, 130-650, S.  
Korea  
SO Molecular Crystals and Liquid Crystals Science and Technology, Section A:  
Molecular Crystals and Liquid Crystals (2000), 349, 55-58  
CODEN: MCLCE9; ISSN: 1058-725X  
PB Gordon & Breach Science Publishers  
DT Journal  
LA English

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 26 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2000:764427 CAPLUS Full-text  
DN 134:78306

TI Highly efficient photorefractive system based on carbazole-substituted poly(siloxane)  
AU Moon, In Kyu; Yoo, Dongsik; Moon, Hyun Sik; Shin, Dong-Ho; Jahng, Woong Sang; Chun, Hyunaee; Kim, Nakjoong  
CS Center for Organic Photorefractive Materials, Korea Institute of Science and Technology (KIST), Seoul, 130-650, S. Korea  
SO Molecular Crystals and Liquid Crystals Science and Technology, Section A: Molecular Crystals and Liquid Crystals (2000), 349, 43-46  
CODEN: MCLCE9; ISSN: 1058-725X  
PB Gordon & Breach Science Publishers  
DT Journal  
LA English  
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 27 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2000:764413 CAPLUS Full-text  
DN 134:92994  
TI Novel chromophores for highly efficient photorefractive materials  
AU Jahng, Woong Sang; Yoo, Dongsik; Moon, Hyunsik; Moon, In Kyu; Shin, Dong-Ho; Joo, Minsoo; Lee, Eun; Kim, Nakjoong  
CS Center for Organic Photorefractive Materials, KIST, Seoul, 130-650, S. Korea  
SO Molecular Crystals and Liquid Crystals Science and Technology, Section A: Molecular Crystals and Liquid Crystals (2000), 349, 1-4  
CODEN: MCLCE9; ISSN: 1058-725X  
PB Gordon & Breach Science Publishers  
DT Journal  
LA English  
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 28 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2000:271790 CAPLUS Full-text  
DN 132:340836  
TI Investigations on the effective drift length in organic photorefractive materials  
AU Leopold, A.; Kol'chenko, M. A.; Hofmann, U.; Zilker, S. J.  
CS Lehrstuhl Experimentalphysik IV, Physikalisches Institut and Bayreuther Institut für Makromolekulforschung (BIMF), Universität Bayreuth, Bayreuth, D-95440, Germany  
SO Journal of Luminescence (2000), 86(3&4), 371-374  
CODEN: JLUMA8; ISSN: 0022-2313  
PB Elsevier Science B.V.  
DT Journal  
LA English  
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 29 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2000:260734 CAPLUS Full-text  
DN 132:286315  
TI Organic electrophotographic photoreceptor containing hydrazone charge-transporting agent  
IN Mott, Andrew W.; Owen, David J.; Jubran, Nusrallah; Attwood, Martin D.; Barcock, Richard A.  
PA Imation Corp., USA  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2  
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000022483	A1	20000420	WO 1999-US19119	19990824
	W: JP, KR				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 6066426	A	20000523	US 1998-172379	19981014
	US 6140004	A	20001031	US 1999-465023	19991216
PRAI	US 1998-172379	A	19981014		

OS MARPAT 132:286315

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L9 ANSWER 10 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2003:986596 CAPLUS Full-text  
DN 141:267440  
TI Space-charge field in polymeric photorefractive material  
AU Joo, Won-Jae; Kim, Nakjoong  
CS Hanyang Univ., Seoul, 133-791, S. Korea  
SO Proceedings of SPIE-The International Society for Optical Engineering  
(2003), 5216(Organic Holographic Materials and Applications), 53-62  
CODEN: PSISDG; ISSN: 0277-786X  
PB SPIE-The International Society for Optical Engineering  
DT Journal  
LA English

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 11 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2003:658026 CAPLUS Full-text  
DN 140:28298  
TI High diffraction efficiency with negligible gain in bipolar photorefractive polymer system  
AU Hwang, Jaehoon; Kang, Dae Ho; Sohn, Jiwon; Park, Soo Young  
CS School of Materials Science and Engineering, Seoul National University, Seoul, 151-744, S. Korea  
SO Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (2003), 44(2), 394-395  
CODEN: ACPPAY; ISSN: 0032-3934  
PB American Chemical Society, Division of Polymer Chemistry  
DT Journal; (computer optical disk)  
LA English

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 12 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2003:605515 CAPLUS Full-text  
DN 140:10220  
TI Simple method for determining the gain coefficient of a photorefractive polymer film  
AU Joo, Won-Jae; Kim, Nakjoong  
CS Department of Chemistry, Hanyang University, Seoul, 133-791, S. Korea  
SO Optics Letters (2003), 28(14), 1254-1256  
CODEN: OPLEDP; ISSN: 0146-9592  
PB Optical Society of America

DT Journal  
LA English  
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 13 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2003:453679 CAPLUS Full-text  
DN 139:261583  
TI Photosensitization of onium salt initiated cationic photopolymerizations  
by carbazole monomers, polymers, and oligomers  
AU Hua, Yujing; Crivello, James V.  
CS Department of Chemistry, New York Center for Polymer Synthesis, Rensselaer  
Polytechnic Institute, Troy, NY, 12180, USA  
SO ACS Symposium Series (2003), 847(Photoinitiated Polymerization), 219-230  
CODEN: ACSMC8; ISSN: 0097-6156  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 14 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2003:368288 CAPLUS Full-text  
DN 139:108583  
TI Applications of polymeric photorefractive material to reversible data  
storage and information processing  
AU Chun, Hyunaee; Joo, Won-Jae; Kim, Nam-Jun; Moon, In Kyu; Kim, Nakjoong  
CS Center for Organic Photorefractive Materials, Department of Chemistry,  
Hanyang University, Seoul, 133-791, S. Korea  
SO Journal of Applied Polymer Science (2003), 89(2), 368-372  
CODEN: JAPNAB; ISSN: 0021-8995  
PB John Wiley & Sons, Inc.  
DT Journal  
LA English  
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 15 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2003:203586 CAPLUS Full-text  
DN 138:369477  
TI Effects of Viscoelastic Properties on the Dielectric and Electrooptic  
Responses of Low-Tg Guest-Host Polymers  
AU Ribierre, Jean-Charles; Mager, Loiec; Fort, Alain; Mery, Stephane  
CS IPCMS Groupe d'Optique Non Lineaire et d'Optoelectronique, Materiaux  
Organiques pour l'Optique Nonlineaire, CNRS, Strasbourg, 67037, Fr.  
SO Macromolecules (2003), 36(7), 2516-2525  
CODEN: MAMOBX; ISSN: 0024-9297  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 16 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2002:455849 CAPLUS Full-text  
DN 137:224039  
TI Photorefractive polymer system with a low glass transition temperature for  
a holographic recording  
AU Kim, Nam-Jun; Chun, Hyunaee; Moon, In Kyu; Joo, Won-Jae; Kim, Nakjoong  
CS Center for Organic Photorefractive Materials, Department of Chemistry,



Hanyang University, Seoul, 133-791, S. Korea  
SO Bulletin of the Korean Chemical Society (2002), 23(4), 571-574  
CODEN: BKCSDE; ISSN: 0253-2964  
PB Korean Chemical Society  
DT Journal  
LA English  
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 17 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2002:387952 CAPLUS Full-text  
DN 137:176342  
TI Determination of the space-charge field in polymeric photorefractive material  
AU Joo, Won-Jae; Kim, Nam-Jun; Chun, Hyunaee; Moon, In Kyu; Kim, Nakjoong; Oh, Cha-Hwan  
CS Department of Chemistry, Hanyang University, Seoul, 133-791, S. Korea  
SO Journal of Applied Physics (2002), 91(10, Pt. 1), 6471-6475  
CODEN: JAPIAU; ISSN: 0021-8979  
PB American Institute of Physics  
DT Journal  
LA English  
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 18 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2002:158393 CAPLUS Full-text  
DN 136:217188  
TI Oligomeric and polymeric photosensitizers for polymerization of epoxy compounds  
IN Crivello, James V.  
PA USA  
SO U.S. Pat. Appl. Publ., 21 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20020025991	A1	20020228	US 2001-826330	20010404
	US 6593388	B2	20030715		
PRAI	US 2000-194455P	P	20000404		

L9 ANSWER 19 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2002:75651 CAPLUS Full-text  
DN 137:160691  
TI Direct comparison of mechanical and electro-optic responses of a low Tg photorefractive doped polymer  
AU Ribierre, J.-C.; Cheval, G.; Huber, F.; Mager, L.; Fort, A.; Muller, R.; Mery, S.; Nicoud, J. F.  
CS Groupe d'Optique Non Lineaire et d'Optoelectronique, Materiaux Organiques pour l'Optique Nonlineaire, UMR 7504, Institut de Physique et de Chimie des Materiaux de Strasbourg, Strasbourg, 67037, Fr.  
SO Journal of Applied Physics (2002), 91(3), 1710-1712  
CODEN: JAPIAU; ISSN: 0021-8979  
PB American Institute of Physics  
DT Journal  
LA English  
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
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L9 ANSWER 1 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2008:173592 CAPLUS Full-text  
DN 148:437241  
TI Transient bleaching pulse shapes in electrochromic polysiloxane thin films  
AU Goldie, David Mitchell  
CS Division of Electronic Engineering and Physics, University of Dundee,  
Dundee, DD1 4HN, UK  
SO Journal of Materials Science (2008), 43(6), 1818-1824  
CODEN: JMTSAS; ISSN: 0022-2461  
PB Springer  
DT Journal  
LA English  
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2007:1131941 CAPLUS Full-text  
DN 148:436287  
TI Dependency of Ionization Potentials of Photoconductive Polymers on  
Photorefractive Response Time  
AU Choi, Chil-Sung; Moon, In Kyu; Oh, Jin-Woo; Kim, Nakjoong  
CS Department of Chemistry, Hanyang University, Seoul, S. Korea  
SO Molecular Crystals and Liquid Crystals (2007), 472, 11-15  
CODEN: MCLCD8; ISSN: 1542-1406  
PB Taylor & Francis, Inc.  
DT Journal  
LA English  
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2006:854700 CAPLUS Full-text  
DN 145:512874  
TI Effects of alkyl substituents of photorefractive chromophores on  
electro-optic response  
AU Choi, Chil-Sung; Nguyen, Quoc Vuong; Oh, Jin-Woo; Hwang, Ui-Jung; Kim,  
Nakjoong  
CS Center for Organic Photorefractive Materials Department of Chemistry,  
Hanyang University, S. Korea  
SO Polymer Preprints (American Chemical Society, Division of Polymer  
Chemistry) (2006), 47(2), 994-995  
CODEN: ACPPAY; ISSN: 0032-3934  
PB American Chemical Society, Division of Polymer Chemistry  
DT Journal; (computer optical disk)  
LA English  
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L9 ANSWER 4 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2006:146859 CAPLUS Full-text  
DN 145:407401  
TI Dependency of the Photo-Charge Generation Efficiency on the  
Photoconductivity and on the Space-Charge Field in Photorefractive  
Polymeric Composites  
AU Oh, Jin-Woo; Choi, Chil-Sung; Kim, Nakjoong  
CS Center for Organic Photorefractive Materials, Department of Chemistry,

Hanyang University, Seoul, 133-791, S. Korea  
SO Molecular Crystals and Liquid Crystals (2006), 447, 451-458  
CODEN: MCLCD8; ISSN: 1542-1406  
PB Taylor & Francis, Inc.  
DT Journal  
LA English  
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
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L9 ANSWER 5 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:132873 CAPLUS Full-text  
DN 142:374268  
TI Synthesis of monomer and polymer-bound photosensitizers  
AU Crivello, James V.; Jang, Myoungsouk  
CS Department of Chemistry and Chemical Biology, Rensselaer Polytechnic  
Institute, Troy, NY, 12180-3590, USA  
SO Journal of Macromolecular Science, Pure and Applied Chemistry (2005),  
A42(1), 1-19  
CODEN: JSPCE6; ISSN: 1060-1325  
PB Taylor & Francis, Inc.  
DT Journal  
LA English  
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 6 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2004:802665 CAPLUS Full-text  
DN 141:304009  
TI Methods for extending amorphous photorefractive material lifetimes  
IN Cammack, J. Kevin; Wang, Peng; Castello, Chris  
PA Nitto Denko Corporation, Japan  
SO PCT Int. Appl., 40 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2004082362	A2	20040930	WO 2004-US7766	20040315
	WO 2004082362	A3	20050317		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				
	TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,				
	BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				
	ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,				
	SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,				
	TD, TG				
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PRAI	US 2003-456079P	P	20030318		
	WO 2004-US7766	W	20040315		

L9 ANSWER 7 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2004:719306 CAPLUS Full-text  
DN 142:164594  
TI Application to optically controlled spatial light modulator using organic

photorefractive composite

AU Joo, Won-Jae; Kim, Nakjoong  
CS Center for Organic Photorefractive Materials, Department of Chemistry,  
Hanyang Univ., Seoul, 133-791, S. Korea  
SO Proceedings of SPIE-The International Society for Optical Engineering  
(2004), 5351(Organic Photonic Materials and Devices VI), 150-157  
CODEN: PSISDG; ISSN: 0277-786X  
PB SPIE-The International Society for Optical Engineering  
DT Journal  
LA English  
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 8 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2004:234438 CAPLUS Full-text  
DN 141:54633  
TI Synthesis of novel silicon-containing monomers for cationic  
photopolymerization  
AU Jang, Myoungsouk; Crivello, James V.  
CS Department of Chemistry, Rensselaer Polytechnic Institute, Troy, NY,  
12180, USA  
SO Polymer Preprints (American Chemical Society, Division of Polymer  
Chemistry) (2004), 45(1), 587-588  
CODEN: ACPPAY; ISSN: 0032-3934  
PB American Chemical Society, Division of Polymer Chemistry  
DT Journal; (computer optical disk)  
LA English  
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 9 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2004:98669 CAPLUS Full-text  
DN 140:329220  
TI Temperature dependence on the grating formation in photorefractive  
polymeric composite  
AU Joo, Won-Jae; Choi, Chil-Sung; Moon, In Kyu; Kim, Nakjoong  
CS Department of Chemistry, Hanyang University, Seoul, 133-791, S. Korea  
SO Molecular Crystals and Liquid Crystals (2003), 406, 263-269  
CODEN: MCLCD8; ISSN: 1542-1406  
PB Taylor & Francis, Inc.  
DT Journal  
LA English  
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L9 ANSWER 51 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN  
AB Carbazolylalkyl-substituted polysiloxanes undergo anodic oxidn. to give insol.  
electrode-supported crosslinked films containing dicarbazolyl groups. The  
electrochem. of the immobilized dicarbazolyls can be addressed and the  
electrochem. switching between the colored (oxidized) and colorless (reduced)  
states forms the basis of an electrochromic display. Cyclic voltammetry  
suggests a model in which virtually all of the pendant carbazole groups are  
converted into dicarbazolyls. The model is consistent with observation of a  
range of polymers, and analogous oligomers, and contrasts with earlier reports  
on the same type of material.

L9 ANSWER 8 OF 57 CAPLUS COPYRIGHT 2008 ACS on STN

AB Tetramethyldisiloxane double hydrosilylation with vinylcyclohexene oxide was used to prepare novel monomers as well as monomer-bound carbazole photosensitizers. These monomers displayed outstanding reactivity in photoinitiated cationic polymerization

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